

Message

From: Daly, Eric [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=BF6AD94E11314203826E63C8DF0511E2-DALY, ERIC]
Sent: 3/22/2016 12:52:18 PM
To: Benton, Tim [Tim.Benton@WestonSolutions.com]
CC: Nwosu, Bernard [Ben.Nwosu@WestonSolutions.com]; Nguyen, Lyndsey [Nguyen.Lyndsey@epa.gov]
Subject: RE: VIPER/NAREL

Thanks. By the way, ERT provided the HPIC for our assessments this summer. We were fortunate enough that we had EPA personnel traveling into NJ and the two units were driven to Edison.

From: Benton, Tim [mailto:Tim.Benton@WestonSolutions.com]
Sent: Tuesday, March 22, 2016 8:24 AM
To: Daly, Eric <Daly.Eric@epa.gov>
Cc: Nwosu, Bernard <Ben.Nwosu@WestonSolutions.com>; Nguyen, Lyndsey <Nguyen.Lyndsey@epa.gov>
Subject: RE: VIPER/NAREL

Attached is a jpeg of the image. If ERT/Viper equipment is used there is no need for SERAS to be on-site as RST 3 is more than capable of operating the necessary equipment.

From: Daly, Eric [mailto:Daly.Eric@epa.gov]
Sent: Tuesday, March 22, 2016 8:22 AM
To: Benton, Tim
Cc: Nwosu, Bernard; Nguyen, Lyndsey
Subject: RE: VIPER/NAREL

Thanks Tim. For some reason, the screen shot did not appear. Please send in different format. So if we used ERT/Viper....does SERAS need to be onsite to use equipment?

From: Benton, Tim [mailto:Tim.Benton@WestonSolutions.com]
Sent: Tuesday, March 22, 2016 7:59 AM
To: Daly, Eric <Daly.Eric@epa.gov>
Cc: Nwosu, Bernard <Ben.Nwosu@WestonSolutions.com>; Nguyen, Lyndsey <Nguyen.Lyndsey@epa.gov>
Subject: RE: VIPER/NAREL

Eric,

Per our discussion yesterday afternoon, the following is a breakdown of the historical gamma screening activities conducted at the three NY radiation Sites that we are currently working on and also our options for equipment utilization leading into the next phase of the Removal Assessment of the Sites.

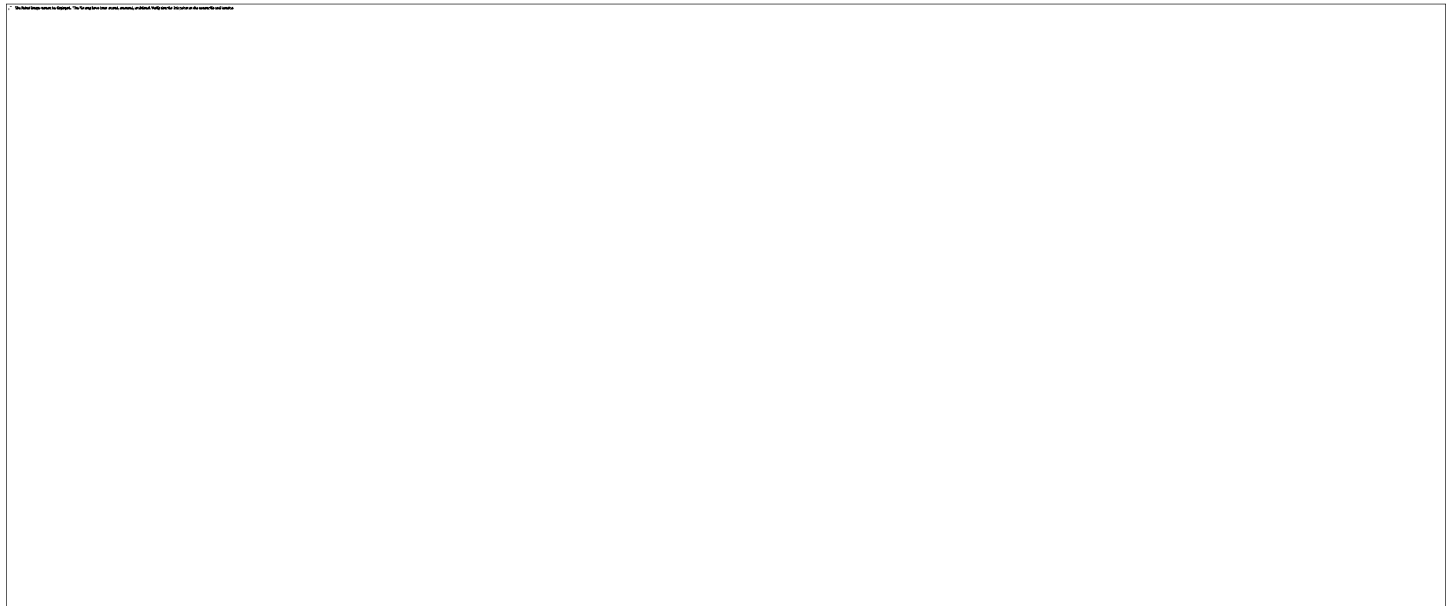
The SAT Program performed a gamma screening of the properties utilizing a Ludlum Model 2221 Ratemeter and Model 44-10 Gamma Scintillator (2" x 2" NaI probe). The unit was connected to a GPS unit and the RAT software which ultimately produced the data for the attached HTC_SAT Gamma Screening Map. RAT has pretty much been phased out and replaced by the Viper technology. However, whether it is RAT, Viper, or the technology provided by our equipment vendor they are all just serving as data collection software's that will in the end provide the data files needed to map out the survey results in ArcGis (i.e., collecting gamma radiation readings along with a latitude and longitude at a frequency of one reading per second).

For the next phase of work to be conducted at the Sites we will need to make a determination if you want RST 3 to procure the necessary equipment or if it something that ERT/SERAS could provide. I have attached the Viper User Guide for your reference. If we go with equipment from ERT we will need for them to provide the Ludlum Model 2241, Model 44-10 Gamma Scintillator (2" x 2" NaI probe), and Viper Links and gateway. Refer to page 51/52 of the attached VIPER User Guide-August 2015 for further information in regards to the setup with Viper. Even if ERT/SERAS is able to provide the Ludlum Model 2241, probes, and Viper hardware we will still need to rent the RSS-131 HPIC as I am pretty sure that is not something that they have.

The screen shot below is the equipment we would rent from our equipment vendor which would provide us with the same type of data that RAT/Viper provide. This uses the same meter and probes and just uses a different data collection software to manage all of the gamma readings, with associated latitude and longitude readings collected every second. The ERG equipment vendor also rents the RSS-131 HPIC so if need be we can procure that unit from them. Please let me know if you have any questions or need any further information.

Thanks,

Tim



From: Daly, Eric [<mailto:Daly.Eric@epa.gov>]
Sent: Friday, March 18, 2016 7:24 PM
To: Benton, Tim
Cc: Nwosu, Bernard; Nguyen, Lyndsey
Subject: RE: VIPER/NAREL

Thanks so much Tim. I am glad Lyndsey brought up NAREL. I always assumed they were part of the process. We will get back to you on Monday regarding the survey instrumentation.

Have a great weekend everyone

From: Benton, Tim [<mailto:Tim.Benton@WestonSolutions.com>]
Sent: Friday, March 18, 2016 7:17 PM
To: Daly, Eric <Daly.Eric@epa.gov>
Cc: Nwosu, Bernard <Ben.Nwosu@WestonSolutions.com>; Nguyen, Lyndsey <Nguyen.Lyndsey@epa.gov>
Subject: Re: VIPER/NAREL

Eric,
Sorry for the delayed response but I was out at the Princeton Recycles Site this afternoon. I am just getting a chance to read through this email string and I see below that you are indicating that we could get all necessary equipment through ERT. That would be something that would need to be setup with them through you as we have no direct communication with their contractor. If that is something you wanted to do and they were able to provide the required equipment it would save a fair amount of cost in terms of equipment rental. However, if they are unable to provide the equipment I have identified a vendor that can supply all necessary equipment. Please advise and we will proceed accordingly.

In terms of the analytical procurement, we are contractually required to follow the FASTAC process which includes requesting DESA/CLP services first and if they cannot provide the service we are instructed to procure the laboratory support. We have no mechanism of exploring any other agency laboratories as that would need to be setup through you. We have used the laboratory in Alabama for other projects such as the St. Croix Alumina site but those analytical services were setup through the OSC. Let me confirm on Monday if there are any other options through the FASTAC process and I will get back in touch to confirm.

Thanks,

Tim

Sent from my iPhone

On Mar 18, 2016, at 3:38 PM, Daly, Eric <Daly.Eric@epa.gov> wrote:

Thanks Ben.

Tim, maybe you can give us some more. When SAT did this type of work in the past for Pre-Remedial....did they use ERT VIPER equipment or rent equipment? We need to know if Weston intends on using EPA equipment or rent. Then ensure we have the right detector type. I can't revise the HTC Assessment TDD until I have that info. Thanks

On a separate topic.... When Weston checks with EPA for CLP analytical lab request prior to going to private labs, do they check with EPA's National Analytical Radiation Env Lab in Alabama? I know I receive emails from Weston that show EPA labs cannot do the work but specifically for rad soil, I am wondering if NAREL is being consulted. Thanks

From: Nwosu, Bernard [<mailto:Ben.Nwosu@WestonSolutions.com>]
Sent: Friday, March 18, 2016 3:08 PM
To: Daly, Eric <Daly.Eric@epa.gov>
Cc: Nguyen, Lyndsey <Nguyen.Lyndsey@epa.gov>; Benton, Tim <Tim.Benton@WestonSolutions.com>
Subject: RE: VIPER

Eric,

Tim made an extensive search for the equipment setup that best suites our purpose for the Canadian Radium and Uranium investigation (which is a similar investigation for HTC) and he was able to locate a company that has a Ludlum + Scintillator setup that operates with a different network system other than Viper. If you need more information about this equipment setup Tim will be able to provide you with the specs/model/etc...early next week.

I am out on field work next week and I may not be able to respond to emails immediately.

Thanks and have a great weekend.

Ben Nwosu
Weston Solutions, Inc.
RST3/ED2

From: Daly, Eric [<mailto:Daly.Eric@epa.gov>]
Sent: Friday, March 18, 2016 2:15 PM
To: Nwosu, Bernard <Ben.Nwosu@WestonSolutions.com>
Cc: Nguyen, Lyndsey <Nguyen.Lyndsey@epa.gov>
Subject: VIPER
Importance: High

Good Afternoon Ben:

We wanted to confirm that you are getting VIPER unit with Ludlum 2241/NaI Probe from ERT? If so, do you have the size (crystal size? Example 2x2) and/or model number of the detector. We really shouldn't have to rent anything.

Thanks

From: Daly, Eric
Sent: Thursday, March 17, 2016 11:57 AM
To: 'Nwosu, Bernard' <Ben.Nwosu@WestonSolutions.com>
Cc: Nguyen, Lyndsey <Nguyen.Lyndsey@epa.gov>
Subject: RE: VIPER

Thanks for the quick response Ben. We just want to ensure we have the right probes for what we are looking for and obviously know how to properly run in the field.

From: Nwosu, Bernard [<mailto:Ben.Nwosu@WestonSolutions.com>]
Sent: Thursday, March 17, 2016 11:55 AM
To: Daly, Eric <Daly.Eric@epa.gov>
Cc: Nguyen, Lyndsey <Nguyen.Lyndsey@epa.gov>
Subject: RE: VIPER

I have used the viper setup with DataRams and some of my team members have used the viper setup with AreaRaes. I believe the setup is similar regardless of the monitoring equipment being used. However, Frank in our office is usually the administrator whenever

we are using viper setups. He remotely initiates the run daily after we have hooked up all the instruments to the communication devices. Frank will be able to train personnel as necessary when we procure all the devices that go with the Ludlum-2241 and NaI setup.

Thanks,

Ben Nwosu
Weston Solutions, Inc.
RST3/ED2

From: Daly, Eric [<mailto:Daly.Eric@epa.gov>]
Sent: Thursday, March 17, 2016 11:46 AM
To: Nwosu, Bernard <Ben.Nwosu@WestonSolutions.com>
Cc: Nguyen, Lyndsey <Nguyen.Lyndsey@epa.gov>
Subject: VIPER
Importance: High

Hi Ben:

I know we are looking at equipment below or something similar for our upcoming surveys. Is there someone in Weston knowledgeable and able to use/train field personnel in VIPER with sodium iodide probe to perform these surveys? Also, I want to try and use the equipment and methods during these upcoming assessments that we will be using for clearing our excavated areas.

Ludlum-2241 with a sodium iodide (NaI) scintillator attachment linked to a Trimble® Global Positioning System (GPS) unit which will be connected to a VIPER system, a wireless network-based communication systems, via an internet source. The VIPER system will provide instantaneous real-time gamma radiation readings through a computer server (Viper Deployment Manager [VDM]).

Thanks

Regards,

Eric

"We must, indeed, all hang together, or assuredly we shall all hang separately",
Benjamin Franklin
Eric M. Daly
On-Scene Coordinator/Radiological Response Specialist
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